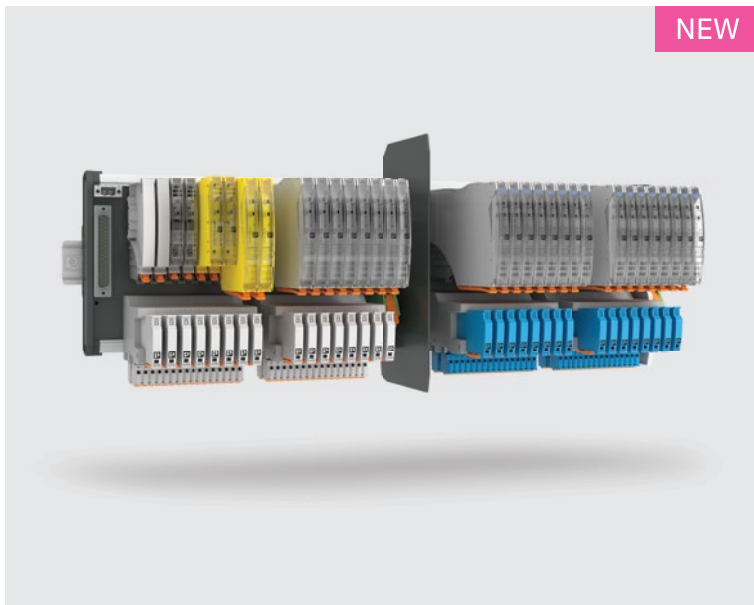


Signal marshalling for universal I/O systems

Compact, flexible, and highly functional

VIP I/O-Marshalling combines signal marshalling and processing in a compact, highly functional plug-and-play modular system.

Save on marshalling cabinets, design type-independent signal paths, and benefit from a wide signal and function spectrum.



Main features

- Measure and control Ex i/Ex e field signals
- Ex i/non-Ex i plug-in modules
- Field connection: Push-in Technology
- Controller connection: D-SUB
- Surge protection: Up to 40 kA/termination board
- Installation altitude: ≤ 5000 m (above msl)
- Temperature range: $-40^{\circ}\text{C} \dots +70^{\circ}\text{C}$
- Approvals: Ex i, SIL 2/3, ATEX, IECEx, UL



➤ For more information, visit:

[Signal marshalling for universal I/O systems | Phoenix Contact](#)

Your advantages

- ✓ Fewer control cabinets, high channel density: Marshalling and interface level in a unique, compact system
- ✓ Reduced project times: Plan type-independent signal paths, configure and test flexibly
- ✓ Plug-and-play configuration from various boards and plug-in modules
- ✓ Can be adjusted at any time: Rapid signal change with fixed wiring
- ✓ Wide signal spectrum, including Ex i, SIL, and surge protection

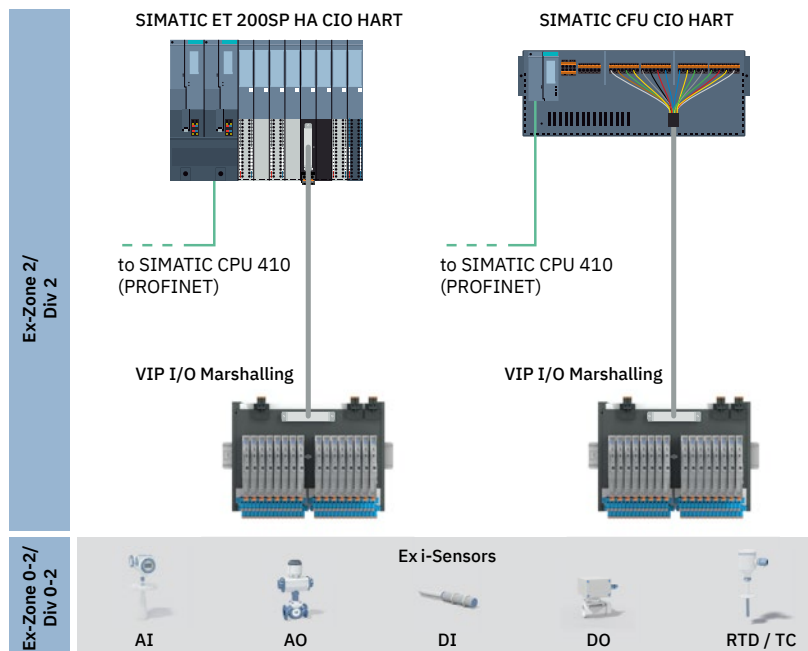
Ex i/non-Ex i signal conditioning and marshalling for SIEMENS process automation

VIP I/O-Marshalling fits seamlessly into the SIEMENS SIMATIC I/O ecosystem and enables simple, consistent connection to the SIMATIC ET 200SP HA with CIO (configurable I/O) module, as well as SIMATIC CFU CIO HART.

Scope of functions

SIEMENS components:

- SIMATIC PCS 7, PCS neo
- SIMATIC PDM
- SIMATIC CPU 410
- SIMATIC ET 200SP HA CIO HART
- SIMATIC CFU CIO HART



Phoenix Contact VIP I/O-Marshalling components

Item	Function	Item no.
IOA MCR-EX-IDS-I-I	AO output signal conditioner HART Ex i	1044642
IOA MCR-IDS-I-I	AO output signal conditioner HART non-Ex i	1176865
IOA MCR-EX-T-I	RTD & TC Ex i signal conditioner	1085760
IOA MCR-EX-RTD-I	RTD Ex i signal conditioner	1085764
IOA MCR-EX-TC-I	TC Ex i signal conditioner	1085766
IOA MCR-T-I	RTD & TC non-Ex i signal conditioner	1176866
IOA MCR-RTD-I	RTD non-Ex i signal conditioner	1007728
IOA MCR-TC-I	TC non-Ex i signal conditioner	1007722
IOA MCR-EX-SD-16-50	DO solenoid driver Ex i	1095564
IOA MCR-EX-SD-21-48	DO solenoid driver Ex i	1291156
IOA MCR-EX-SD-23-38	DO solenoid driver Ex i	1085763
IOA MCR-EX-SD-20-25	DO solenoid driver Ex i	1095563
IOA MCR-EX-NAM-NAM	DI NAMUR switching amplifier	1085769
IOA MCR-EX-RPSS-I-I	AI input signal conditioner/repeater power supply HART Ex i	1085761
IOA MCR-RPSS-I-I	AI input signal conditioner/repeater power supply HART non-Ex i	1085774
BASE-MSTB/D37M/16CH/EX	16-channel base element	1065476
CAB-DSUB37M/OE/22/TP/S/ 1M	System cable (D-SUB/OE)	2909723
CABLE-D37SUB/B/B/ 100/KONFEK/S	System cable (D-SUB/D-SUB)	2305509

More information

- SIMATIC PCS 7:
<https://support.industry.siemens.com/cs/ww/en/view/63481413>
- SIMATIC PCS neo
<https://www.siemens.com/en-us/products/process-control/simatic-pcs-neo/>

- SIMATIC ET 200SP HA:
<https://support.industry.siemens.com/cs/ww/en/view/109747953>
- SIMATIC CFU:
<https://support.industry.siemens.com/cs/us/en/view/109749357>